

80. A method of forming a multi-layer expander member and attaching the expander member to an intravascular catheter body having an exterior surface comprising the steps of:

- (a) co-extruding an outer layer and an inner bonding layer to form a parison, wherein the outer layer consists essentially of a polymeric film exhibiting high tensile strength and low distensibility, and the inner bonding layer consists essentially of a polymeric film adhered to the outer layer, the inner bonding layer further being one which adheres readily to a catheter body using glue adhesion;
- (b) heating said parison to a predetermined temperature, drawing said parison longitudinally, and radially expanding said parison in a blow molding fixture to form an expander member in a manner so as to biaxially orient the material of the tensile outer layer such that the expander member exhibits a burst strength greater than about seven atmospheres; and
- (c) adhesively bonding the expander member to a tubular catheter exterior surface using <sup>a separate</sup> ~~an~~ adhesive material.

81. The method of claim 80 wherein, in step (b), the material of both the outer layer and inner bonding layer are biaxially oriented.

# 82. A method of forming a multi-layer expander member and attaching same to an intravascular catheter body having an outer surface comprising the steps of:

- (a) co-extruding an outer layer and an inner bonding layer to form a parison, wherein the outer layer consists essentially of a polymeric film exhibiting high tensile strength and low distensibility, and the inner bonding layer consists essentially of a polymeric film adhered to the outer layer, the inner bonding layer further having a lower melting point than that of said outer layer and said inner bonding layer further being one which adheres readily to a catheter body using melt bonding;
- (b) heating said parison to a predetermined temperature, drawing said parison longitudinally, and radially expanding said parison in a blow molding fixture to form an expander member in a manner so as to biaxially orient the material of both the outer layer and the inner bonding layer such that the expander member exhibits a burst strength greater than about seven atmospheres; and
- (c) attaching said expander to said catheter body by melt bonding said inner layer to the outer surface of said catheter body.

# 5061 83. A method of forming a multi-layer expander member and attaching same to an intravascular catheter body having an exterior surface comprising the steps of:

- (a) co-extruding an outer layer and an inner bonding layer to form a parison wherein the outer layer consists essentially of a polymeric film exhibiting high tensile strength and low distensibility, and an inner bonding layer consisting essentially of a polymeric film adhered to the outer tensile layer, forming therewith a layer combination, the inner bonding layer further being one which adheres readily to the outer surface of a catheter body using a method selected from the group consisting of melt bonding and glue adhesion or a combination thereof;
- (b) heating said parison to a predetermined temperature, and drawing said parison longitudinally and radially expanding said parison in a flow molding fixture to form an expander member in a manner so as to biaxially orient the material of the the outer layer and the inner bonding layer such that the expander member exhibits a burst strength greater than about seven atmospheres;
- (c) coating the outer surface of the expander member with an hydrophilic lubricous plastic material; and
- (d) bonding the expander to the exterior surface of a tubular catheter.

84. The method of ~~claim 83~~ wherein step (d) comprises bonding the expander to the exterior surface of a tubular catheter using an adhesive material.

85. The method of ~~claim 83~~ wherein said inner bonding layer has a lower melting point than that of said outer layer and wherein step (d) comprises ~~bonding~~ said expander to said catheter body by melt bonding said inner bonding layer to the exterior surface of said catheter body.

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In claim 61, line 1, change the dependency of ~~claim 61~~ from ~~claim 59~~ to claim 80.

In claim 62, line 1, change the dependency from ~~claim 59~~ to ~~claim 80~~ and, in line 4, delete "and combinations thereof"; and in line 14, delete "class" and insert -- group --.

In claim 63, line 1, change the dependency from ~~claim 59~~ to ~~claim 80~~.

In claim 66, line 1, change the dependency from ~~claim 65~~ to ~~claim 82~~.

In claim 68, line 1, change the dependency from ~~claim 65~~ to ~~claim 82~~; and in line 4, delete "and combinations thereof"; and in line 14, delete "class" and insert -- group --.

In claim 69, line 1, change the dependency from ~~claim 65~~ to ~~claim 82~~.

In claim 74, line 1, change the dependency from ~~claim 71~~ to ~~claim 83~~.